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**DATE:** Sunday, May 19, 2002   [Printable Copy](#)   [Create Case](#)

09/223,774

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<i>DB=USPT,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
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<u>L10</u>	L9 and ((multiple or composite) same object\$1)	110	<u>L10</u>
<u>L9</u>	((707/513 )!.CCLS. )	529	<u>L9</u>
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<u>L2</u>	L1 and (referenc\$3 same object\$1)	243	<u>L2</u>
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Search Results - Record(s) 1 through 50 of 120 returned.

☐ 1. Document ID: US 6386038 B1

L4: Entry 1 of 120

File: USPT

May 14, 2002

US-PAT-NO: 6386038

DOCUMENT-IDENTIFIER: US 6386038 B1

TITLE: Acoustic apparatus and inspection methods

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 2. Document ID: US 6370154 B1

L4: Entry 2 of 120

File: USPT

Apr 9, 2002

US-PAT-NO: 6370154

DOCUMENT-IDENTIFIER: US 6370154 B1

TITLE: Telecommunications system craft interface device with broadband end-to-end cross-connect capability

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	-----------	-------

☐ 3. Document ID: US 6349297 B1

L4: Entry 3 of 120

File: USPT

Feb 19, 2002

US-PAT-NO: 6349297

DOCUMENT-IDENTIFIER: US 6349297 B1

TITLE: Information processing system for directing information request from a particular user/application, and searching/forwarding/retrieving information from unknown and large number of information resources

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 6348935 B1

L4: Entry 4 of 120

File: USPT

Feb 19, 2002

US-PAT-NO: 6348935

DOCUMENT-IDENTIFIER: US 6348935 B1

TITLE: Programmable tree viewer graphical user interface with integrated control panel

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 5. Document ID: US 6345314 B1

L4: Entry 5 of 120

File: USPT

Feb 5, 2002

US-PAT-NO: 6345314

DOCUMENT-IDENTIFIER: US 6345314 B1

TITLE: Technique to minimize data transfer between two computers

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Image
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☐ 6. Document ID: US 6345288 B1

L4: Entry 6 of 120

File: USPT

Feb 5, 2002

US-PAT-NO: 6345288

DOCUMENT-IDENTIFIER: US 6345288 B1

TITLE: Computer-based communication system and method using metadata defining a control-structure

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Image
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☐ 7. Document ID: US 6339832 B1

L4: Entry 7 of 120

File: USPT

Jan 15, 2002

US-PAT-NO: 6339832

DOCUMENT-IDENTIFIER: US 6339832 B1

TITLE: Exception response table in environment services patterns

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Image
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☐ 8. Document ID: US 6332163 B1

L4: Entry 8 of 120

File: USPT

Dec 18, 2001

US-PAT-NO: 6332163

DOCUMENT-IDENTIFIER: US 6332163 B1

TITLE: Method for providing communication services over a computer network system

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMOC	Draw Desc	Image
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☐ 9. Document ID: US 6307546 B1

L4: Entry 9 of 120

File: USPT

Oct 23, 2001

US-PAT-NO: 6307546

DOCUMENT-IDENTIFIER: US 6307546 B1

TITLE: Telecommunications system craft interface device with parser having object-oriented state machine

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 10. Document ID: US 6295367 B1

L4: Entry 10 of 120

File: USPT

Sep 25, 2001

US-PAT-NO: 6295367

DOCUMENT-IDENTIFIER: US 6295367 B1

TITLE: System and method for tracking movement of objects in a scene using correspondence graphs

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 11. Document ID: US 6289382 B1

L4: Entry 11 of 120

File: USPT

Sep 11, 2001

US-PAT-NO: 6289382

DOCUMENT-IDENTIFIER: US 6289382 B1

TITLE: System, method and article of manufacture for a globally addressable interface in a communication services patterns environment

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 12. Document ID: US 6282547 B1

L4: Entry 12 of 120

File: USPT

Aug 28, 2001

US-PAT-NO: 6282547

DOCUMENT-IDENTIFIER: US 6282547 B1

TITLE: Hyperlinked relational database visualization system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 13. Document ID: US 6278466 B1

L4: Entry 13 of 120

File: USPT

Aug 21, 2001

US-PAT-NO: 6278466

DOCUMENT-IDENTIFIER: US 6278466 B1

TITLE: Creating animation from a video

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 14. Document ID: US 6269358 B1

L4: Entry 14 of 120

File: USPT

Jul 31, 2001

US-PAT-NO: 6269358

DOCUMENT-IDENTIFIER: US 6269358 B1

TITLE: Method and system for similarity-based image classification

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 15. Document ID: US 6268864 B1

L4: Entry 15 of 120

File: USPT

Jul 31, 2001

US-PAT-NO: 6268864

DOCUMENT-IDENTIFIER: US 6268864 B1

TITLE: Linking a video and an animation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 16. Document ID: US 6263379 B1

L4: Entry 16 of 120

File: USPT

Jul 17, 2001

US-PAT-NO: 6263379

DOCUMENT-IDENTIFIER: US 6263379 B1

TITLE: Method and system for referring to and binding to objects using identifier objects

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 17. Document ID: US 6263339 B1

L4: Entry 17 of 120

File: USPT

Jul 17, 2001

US-PAT-NO: 6263339

DOCUMENT-IDENTIFIER: US 6263339 B1

TITLE: Dynamic object visualization and code generation

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 18. Document ID: US 6263088 B1

L4: Entry 18 of 120

File: USPT

Jul 17, 2001

US-PAT-NO: 6263088

DOCUMENT-IDENTIFIER: US 6263088 B1

TITLE: System and method for tracking movement of objects in a scene

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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**Search Results - Record(s) 1 through 4 of 4 returned.**

☐ 1. Document ID: US 6263492 B1

L7: Entry 1 of 4

File: USPT

Jul 17, 2001

US-PAT-NO: 6263492

DOCUMENT-IDENTIFIER: US 6263492 B1

TITLE: Run time object layout model with object type that differs from the derived object type in the class structure at design time and the ability to store the optimized run time object layout model

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 2. Document ID: US 6059838 A

L7: Entry 2 of 4

File: USPT

May 9, 2000

US-PAT-NO: 6059838

DOCUMENT-IDENTIFIER: US 6059838 A

TITLE: Method and system for licensed design and use of software objects

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 3. Document ID: US 5995756 A

L7: Entry 3 of 4

File: USPT

Nov 30, 1999

US-PAT-NO: 5995756

DOCUMENT-IDENTIFIER: US 5995756 A

TITLE: System for internet-based delivery of computer applications

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 4. Document ID: US 5818447 A

L7: Entry 4 of 4

File: USPT

Oct 6, 1998

US-PAT-NO: 5818447

DOCUMENT-IDENTIFIER: US 5818447 A

TITLE: System and method for in-place editing of an electronic mail message using a separate program

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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composite objects



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**1** Composite objects revisited 100%



Won Kim , Elisa Bertino , Jorge F. Garza

ACM SIGMOD Record , Proceedings of the 1989 ACM SIGMOD international conference on Management of data June 1989

Volume 18 Issue 2

In object-oriented systems, an object may recursively reference any number of other objects. The references, however, do not capture any special relationships between objects. An important semantic relationship which may be superimposed on a reference is the IS-PART-OF relationship between a pair of objects. A set of objects related by the IS-PART-OF relationship is collectively called a composite object. An earlier paper [KIM87b] presented a model of composite objects which has

...

**2** Composite object support in an object-oriented database system 100%








Won Kim , Jay Banerjee , Hong-Tai Chou , Jorge F. Garza , Darrel Woelk






ACM SIGPLAN Notices , Conference proceedings on Object-oriented programming systems, languages and applications December 1987

Volume 22 Issue 12

Many applications in such domains as computer-aided design require the capability to define, store and retrieve as a single unit a collection of related objects known as a composite object. A composite object


explicitly captures and enforces the IS-PART-OF integrity constraint between child and parent pairs of objects in a hierarchical collection of objects. Further, it can be used as a unit of storage and retrieval to enhance the performance of a database system. This paper prov ...

- 3** The Vienna Definition Language 100%  
 Peter Wegner  
ACM Computing Surveys (CSUR) January 1972  
Volume 4 Issue 1
- 4** Data model issues for object-oriented applications 100%  
 Jay Banerjee , Hong-Tai Chou , Jorge F. Garza , Won Kim , Darrell Woelk , Nat Ballou , Hyoung-Joo Kim  
ACM Transactions on Information Systems (TOIS) January 1987  
Volume 5 Issue 1  
Presented in this paper is the data model for ORION, a prototype database system that adds persistence and sharability to objects created and manipulated in object-oriented applications. The ORION data model consolidates and modifies a number of major concepts found in many object-oriented systems, such as objects, classes, class lattice, methods, and inheritance. These concepts are reviewed and three major enhancements to the conventional object-oriented data model, namely, schema evolutio ...
- 5** Extending the ODMG object model with composite objects 100%  
 Elisa Bertino , Giovanna Guerrini  
ACM SIGPLAN Notices , Proceedings of the conference on Object-oriented programming, systems, languages, and applications October 1998  
Volume 33 Issue 10
- 6** Transaction management in an object-oriented database system 100%  
 Jorge F. Garza , Won Kim  
Proceedings of the 1988 ACM SIGMOD international conference on Management of data June 1988  
In this paper, we describe transaction management in ORION, an object-oriented database system. The application environments for which ORION is intended led us to implement the notions of sessions of transactions, and hypothetical transactions (transactions which always abort). The object-oriented data model which ORION implements complicates locking requirements. ORION supports a concurrency control mechanism based on extensions to the current theory of locking, and a transaction recovery ...
- 7** An extensible data model for hyperdocuments 100%  
 Paul De Bra , Geert-Jan Houben , Yoram Kornatzky  
Proceedings of the ACM conference on Hypertext December 1993


- 8** A model of authorization for next-generation database systems 100%  
 Fausto Rabitti , Elisa Bertino , Won Kim , Darrell Woelk  
ACM Transactions on Database Systems (TODS) March 1991  
Volume 16 Issue 1  
The conventional models of authorization have been designed for database systems supporting the hierarchical, network, and relational models of data. However, these models are not adequate for next-generation database systems that support richer data models that include object-oriented concepts and semantic data modeling concepts. Rabitti, Woelk, and Kim [14] presented a preliminary model of authorization for use as the basis of an authorization mechanism in such database systems. In this p ...
- 9** Roles for composite objects in object-oriented analysis and design 99%  
 Franco Civello  
ACM SIGPLAN Notices , Proceedings of the eighth annual conference on Object-oriented programming systems, languages, and applications October 1993  
Volume 28 Issue 10
- 10** Version management of composite objects in CAD databases 99%  
 Rafi Ahmed , Shamkant B. Navathe  
ACM SIGMOD Record , Proceedings of the 1991 ACM SIGMOD international conference on Management of data April 1991  
Volume 20 Issue 2
- 11** TROLL 99%  
 Ralf Jungclaus , Gunter Saake , Thorsten Hartmann , Cristina Sernadas  
ACM Transactions on Information Systems (TOIS) April 1996  
Volume 14 Issue 2  
TROLL is a language particularly suited for the early stages of information system development, when the universe of discourse must be described. In TROLL the descriptions of the static and dynamic aspects of entities are integrated into object descriptions. Sublanguages for data terms, for first-order and temporal assertions, and for processes, are used to describe respectively the static properties, the behavior, and the evolution over time of objects. TROLL organizes system design through ...
- 12** Using model dataflow graphs to reduce the storage requirements of constraints 99%  
 Bradley T. Vander Zanden , Richard Halterman  
ACM Transactions on Computer-Human Interaction (TOCHI) September 2001  
Volume 8 Issue 3  
Dataflow constraints allow programmers to easily specify relationships among application objects in a natural, declarative manner. Most

constraint solvers represent these dataflow relationships as directed edges in a dataflow graph. Unfortunately, dataflow graphs require a great deal of storage. Consequently, an application with a large number of constraints can get pushed into virtual memory, and performance degrades in interactive applications. Our solution is based on the observation that obj ...


**13** Unassigned objects 99%

 Robert I. Winner  
ACM Transactions on Programming Languages and Systems (TOPLAS)  
October 1984  
Volume 6 Issue 4

**14** VMCM, a PCTE based version and configuration management system 99%

 K. Berrada , F. Lopez , R. Minot  
Proceedings of the 3rd international workshop on Software configuration management May 1991


**15** Object composition and playback models for handling multimedia data 98%

 Rei Hamakawa , Jun Rekimoto  
Proceedings of the first ACM international conference on Multimedia  
September 1993


**16** Integrating constraints in complex objects 98%

 C. Oussalah , V. Puig  
Proceedings of the fifth international conference on Information and knowledge management November 1996

**17** Semantics and implementation of schema evolution in object-oriented databases 97%


 Jay Banerjee , Won Kim , Hyoung-Joo Kim , Henry F. Korth  
ACM SIGMOD Record , Proceedings of the 1987 ACM SIGMOD international conference on Management of data December 1987  
Volume 16 Issue 3  
Object-oriented programming is well-suited to such data-intensive application domains as CAD/CAM, AI, and OIS (office information systems) with multimedia documents. At MCC we have built a prototype object-oriented database system, called ORION. It adds persistence and sharability to objects created and manipulated in applications implemented in an object-oriented programming environment. One of the important requirements of these applications is schema evolution, that is, the ability to dy ...

**18** Dynamic adaptation of real-time software 97%

-  Thomas E. Bihari , Karsten Schwan  
ACM Transactions on Computer Systems (TOCS) May 1991  
Volume 9 Issue 2


In large, dynamic, real-time computer systems, it is frequently most cost effective to employ different software performance and reliability techniques at different levels of granularity, at different times, or within different subsystems. These techniques may include regulation of redundancy and resource allocation, multiversion and multipath execution, adjustments of program attributes such as time-out periods and others. The management of software in such systems is a difficu ...

- 19** The 3DIS: an extensible object-oriented information management environment 97%

 Hamideh Afsarmanesh , Dennis McLeod  
ACM Transactions on Information Systems (TOIS) October 1989  
Volume 7 Issue 4

The 3-Dimensional Information Space (3DIS) is an extensible object-oriented framework for information management. It is specifically oriented toward supporting the database requirements for data-intensive information system applications in which (1) information objects of various levels of abstraction and modalities must be accommodated, (2) descriptive and structural information (metadata) is rich and dynamic, and (3) users who are not database experts must be able to design, manipulate, a ...

- 20** DOSS 97%

 Shlomo Weiss , Katie Rotzell , Tom Rhyne , Arny Goldfein  
Proceedings of the 23rd ACM/IEEE conference on Design automation July 1986

This report describes DOSS and its capabilities, some design decisions made within it and the associated tradeoffs. DOSS is a storage system designed to support CAD applications efficiently. We define composite objects, examine their ability to capture design data and outline our approach to distributed object naming. We believe our choice of the system/application interface is crucial for achieving acceptable performance in the CAD environment. We also describe our approach to associative ...

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